

# Qualys Data + Splunk Security Analytics = Finding Hidden Threats

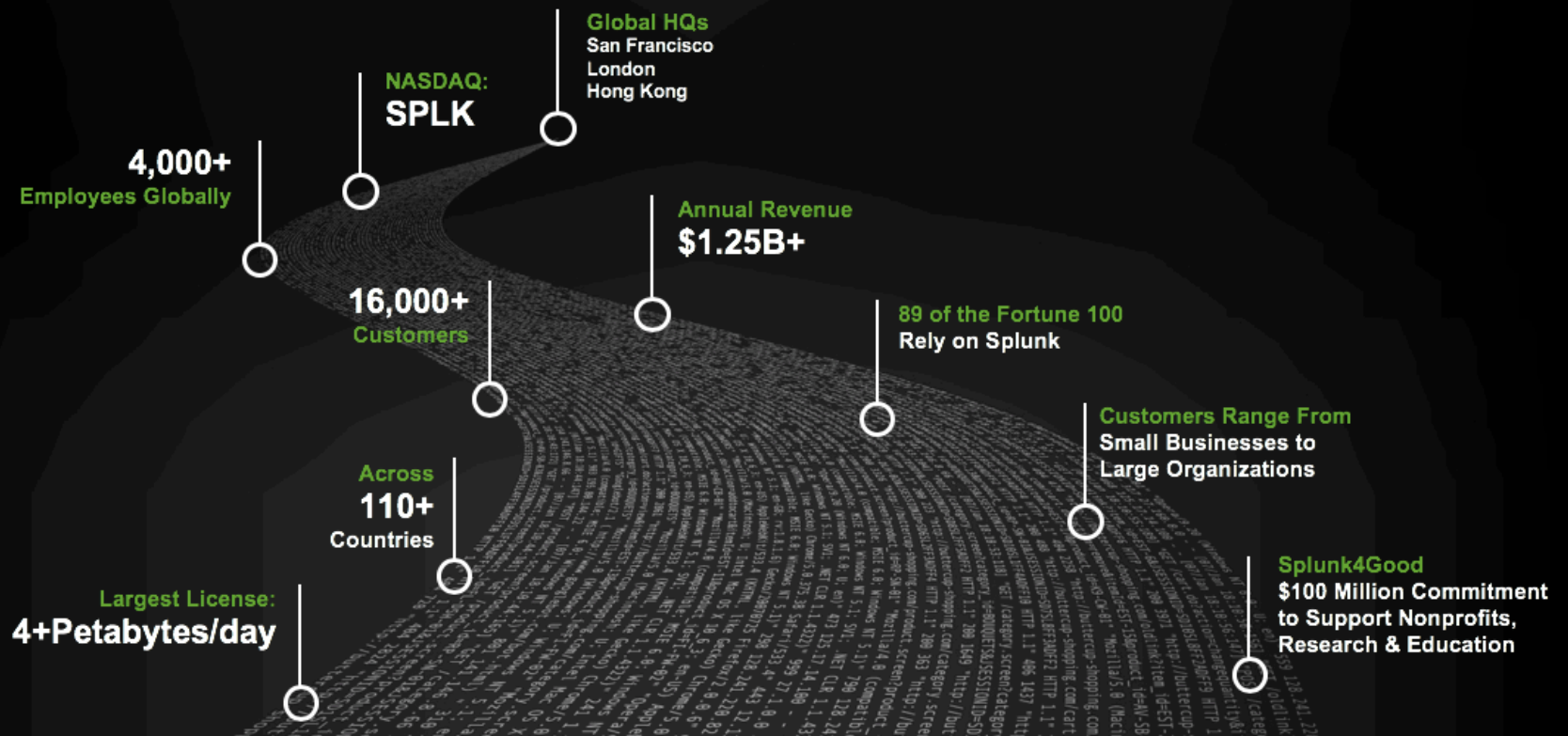
Don Leatham

Splunk Global Strategic Alliances | Security Markets



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# Splunk Company Overview



# Finding Answers You Need to Take Action

## IT Operations

How do I predict service-level degradation before it occurs?



## Application Analytics

Is my poor app performance due to code-level errors or infrastructure?



## Security and Compliance

How can I speed up security investigations and reduce the impact of insider threats?



## Business Analytics

Do my marketing campaigns drive more orders through the website or mobile app?



## Internet of Things

How can I monitor and analyze data from tens of thousands of sensors in real time?



# Trusted by Brands Around the World, Supported by a Deep Ecosystem

## IT Operations

yelp

intuit

WORLD BANK GROUP

syncsort

DELL EMC

## App Analytics

NORDSTROM

FamilySearch

AAA Insurance | CSA Insurance Group

puppet

New Relic

## Security & Compliance

BLACKROCK

ASU  
ARIZONA STATE  
UNIVERSITY

First Data

Symantec

cisco

paloalto

## Business Analytics

UNLV

Domino's

SHAZAM

tableau

box

TEALIUM

## Internet of Things

Gatwick

McKenney's

BOSCH  
Invented for life

OSIsoft

kepware

TRIDIUM

splunkbase™

splunk> listen to your data™

## Identity and Access





illumio

AWAKE

COFENSE

VMRAY

INTERNET  
STORM  
CENTER

dataphy

ziften

zscaler

Recorded  
Future

LogicHub

netskope

Pinn AuthX

CISCO

SYNCURITY

TCELL

SentinelOne

graphistry

accenture

splunk> listen to your data

# Splunk Security Nerve Center Portfolio

## DATA PLATFORM



splunk>enterprise  
splunk>cloud™



splunk>base

## ANALYTICS



splunk>  
essentials  
for Security



Splunk Enterprise  
Security™



Splunk User Behavior  
Analytics™

## OPERATIONS



splunk>  
phantom



Splunk Enterprise  
Security™



Phantom Community

splunk>listen to your data™



# Qualys Integrations with Splunk Enterprise

Leveraging Qualys-Derived Data to Uncover Security Threats

splunk listen to your data™

# Splunkbase.com – Qualys Splunk Apps

## Extend the Power of Splunk with Apps and Add-ons

Splunkbase has 1000+ apps and add-ons from Splunk, our partners and our community. Find an app or add-on for most any data source and user need.

[Learn More](#)

[See All Apps](#)**Qualys Technology  
Add-on (TA) for**

926 Installs



## Qualys PC App for Splunk Enterprise

81 installs



## Qualys WAS App for Splunk Enterprise

174 Installs

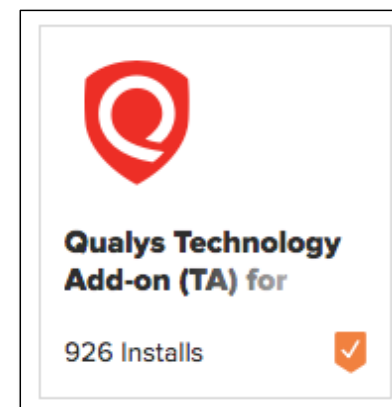


## Qualys VM App for Splunk Enterprise

539 Installs

# Qualys Technology Add-On for Splunk

- ▶ Fetches VM, WAS, PC and KB data
- ▶ Indexes the data for search within Splunk Enterprise Security
- ▶ Supports: Qualys VM App, WAS App, PC App running on Splunk enterprise

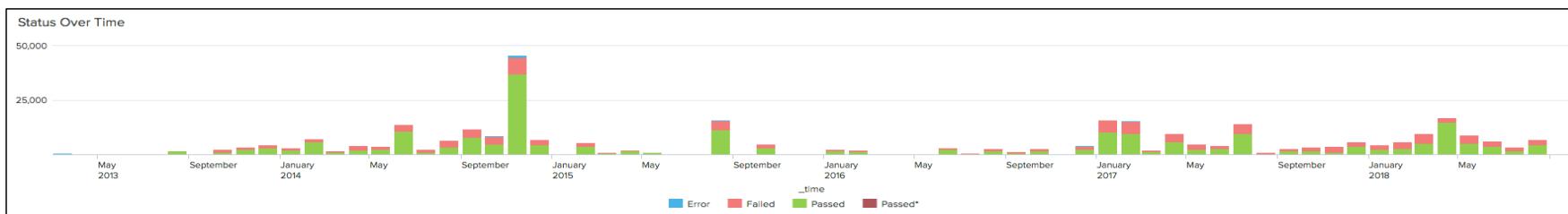


splunk listen to your data

```
130.66.4 - - [07/Jan 18:10:57:153] "GET /category.screen?category_id=619f5a&SESSIONID=5015LAF10ADFF3 HTTP/1.1" 404 720 "http://buttercup-shopping.com/cart.do?action=view&item_id=EST-66product_id=62P5"
128.241.220.82 - - [07/Jan 18:10:57:123] "GET /product.screen?product_id=FL-DSH-01&SESSIONID=5055L7FFADFF3 HTTP/1.1" 404 322 "http://buttercup-shopping.com/cart.do?action=purchase&item_id=EST-26product_id=62P5"
137.27.160.0 - - [07/Jan 18:10:57:123] "GET /product.screen?product_id=FL-DSH-01&SESSIONID=5055L7FFADFF3 HTTP/1.1" 200 1318 "http://buttercup-shopping.com/cart.do?action=purchase&item_id=EST-26product_id=62P5"
ows NT 5.1: SV1: .NET CLR 1.1.4322" 468 125.17 14 --
Itemid=EST-168product_id=RP-LI-02" "n
//buttercup-shopping.com/nt--
to?action=purchase&item_id=EST-26&SESSIONID=5055L7FFADFF3 HTTP/1.1" 200 1318 "http://buttercup-shopping.com/cart.do?action=purchase&item_id=EST-26product_id=62P5"
opping.com/ca-
```

## Searches PC data for:

- ▶ Top 10 Least Compliant Hosts
- ▶ Top 10 Policies with Failing Controls
- ▶ Policies Not Evaluated in the Last 10 Days
- ▶ And lots more via custom SPL queries



```

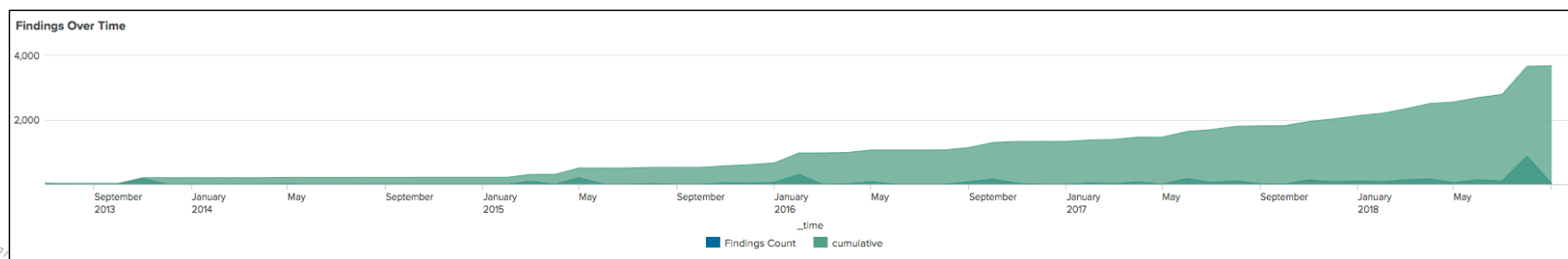
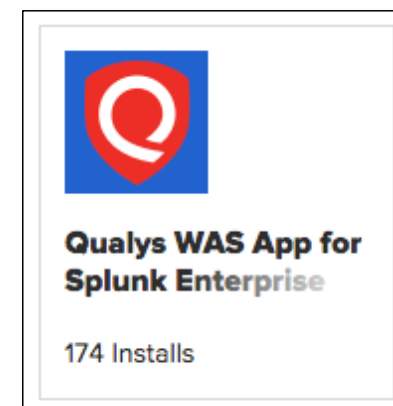
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120.241.220.02 - [07/Jan 18:10:57:123] "GET /product.screen?product_id=61f5ts&SESSIONID=S0S5LFF6ADDF9 HTTP 1.1" 200 1310 [PASS]
317 - [07/Jan 18:10:56:156] "GET /product.screen?product_id=61f5ts&SESSIONID=S0S5LFF6ADDF9 HTTP 1.1" 200 1310 [PASS]
ows NT 5.1: SV: - [07/Jan 18:10:56:156] "GET /product.screen?product_id=61f5ts&SESSIONID=S0S5LFF6ADDF9 HTTP 1.1" 200 1310 [PASS]
1/buttercup-shopping.com/rp-1.1.4322" 468 125 1.71 - [07/Jan 18:10:56:156] "GET /product.screen?product_id=61f5ts&SESSIONID=S0S5LFF6ADDF9 HTTP 1.1" 200 1310 [PASS]
toaction.shopping.com/nr-1.1.4322" 468 125 1.71 - [07/Jan 18:10:56:156] "GET /product.screen?product_id=61f5ts&SESSIONID=S0S5LFF6ADDF9 HTTP 1.1" 200 1310 [PASS]
opping.com/purchase&sts=10" 468 125 1.71 - [07/Jan 18:10:56:156] "GET /product.screen?product_id=61f5ts&SESSIONID=S0S5LFF6ADDF9 HTTP 1.1" 200 1310 [PASS]
1/buttercup-shopping.com/rp-1.1.4322" 468 125 1.71 - [07/Jan 18:10:56:156] "GET /product.screen?product_id=61f5ts&SESSIONID=S0S5LFF6ADDF9 HTTP 1.1" 200 1310 [PASS]

```

# Qualys WAS App for Splunk Enterprise

## Searches WAS data for:

- ▶ Total Web Application Count
- ▶ Total Findings by Severity Level
- ▶ OWASP Top 10
- ▶ Total Findings by Application
- ▶ And lots more via custom SPL queries

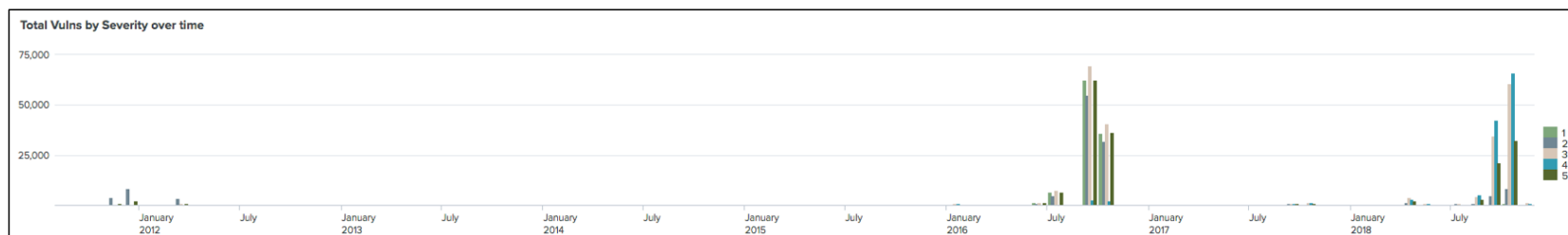
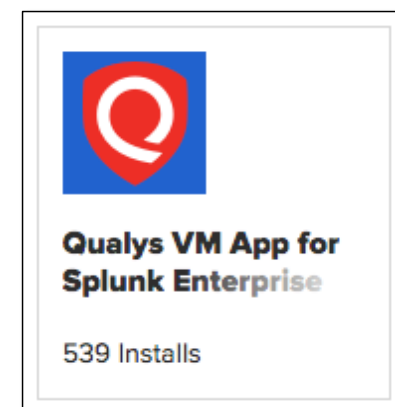


splunk listen to your data

# Qualys VM App for Splunk Enterprise

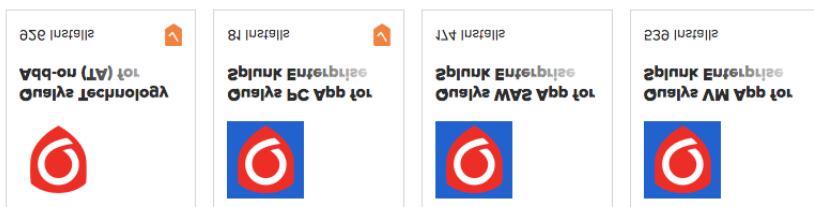
## Searches VM data for:

- ▶ Total Host Count
- ▶ Top Ten Hosts – Active w Sev5 Vulns
- ▶ Most Prevalent Vulnerabilities
- ▶ Hosts Not Scanned in More Than 30 Days
- ▶ And lots more via custom SPL queries



```
136.66.4 - - [07/Jun 18:10:57:153] "GET /category.screen?category_id=GLF75&SESSIONID=5015LAF10ADFF3 HTTP 1.1" 404 720 "http://buttercup-shopping.com/cart.do?action=view&item_id=EST-66product_id=62PV5-106113-03" "Mozilla/5.0 (Windows NT 5.1; SV1; .NET CLR 1.1.4322) 468 125.17 14 --
128.241.220.82 - - [07/Jun 18:10:57:153] "GET /product.screen?product_id=FL-DSH-01&SESSIONID=5055L7FFADFF3 HTTP 1.1" 200 1318 "http://buttercup-shopping.com/cart.do?action=changequantity&item_id=EST-188product_id=AV-EB-01&SESSIONID=5015LAF10ADFF3 HTTP 1.1" 200 1318 "http://buttercup-shopping.com/cart.do?action=changequantity&item_id=EST-66product_id=62PV5-106113-03" "Mozilla/5.0 (Windows NT 5.1; SV1; .NET CLR 1.1.4322) 468 125.17 14 --
107action=shopping_id=RP-LI-02" "n-
107buttercup-shopping.com/cart.do?action=purchase&item_id=EST-26&SESSIONID=5055L7FFADFF3 HTTP 1.1" 200 1318 "http://buttercup-shopping.com/cart.do?action=changequantity&item_id=EST-188product_id=AV-EB-01&SESSIONID=5015LAF10ADFF3 HTTP 1.1" 200 1318 "http://buttercup-shopping.com/cart.do?action=changequantity&item_id=EST-66product_id=62PV5-106113-03" "Mozilla/5.0 (Windows NT 5.1; SV1; .NET CLR 1.1.4322) 468 125.17 14 --
107buttercup-shopping.com/cart.do?action=remove&item_id=EST-106" "GET /category.screen?category_id=GLF75&SESSIONID=5015LAF10ADFF3 HTTP 1.1" 404 720 "http://buttercup-shopping.com/cart.do?action=view&item_id=EST-66product_id=62PV5-106113-03" "Mozilla/5.0 (Windows NT 5.1; SV1; .NET CLR 1.1.4322) 468 125.17 14 --
```

# Qualys– Splunk Roadmap



- ▶ Qualys apps for Splunk will be made open source
- ▶ Customizable to meet customers' exact needs
- ▶ Splunk/Qualys community will contribute additional searches and dashboards to cover a wider range of use cases
- ▶ Qualys App for Splunk Phantom
- ▶ Automated playbooks that can orchestrate key Qualys functionality
- ▶ Include Qualys “actions” as part of powerful, multi-vendor automated responses to attacks and threats

```
130.66.4 - - [07/Jan 18:10:57:153] "GET /category.screen?category_id=G1F75&SESSIONID=5015LAF10ADFF30 HTTP/1.1" 404 720 "http://buttercup-shopping.com/cart.do?action=view&item_id=EST-66product_id=EST-66"
128.241.220.82 - - [07/Jan 18:10:57:123] "GET /product.screen?product_id=FL-DSH-01&SESSIONID=5055L7FFADFF3 HTTP/1.1" 404 322 "http://buttercup-shopping.com/cart.do?action=purchase&item_id=EST-66product_id=EST-66"
137.27.160.0 - - [07/Jan 18:10:57:123] "GET /product.screen?product_id=FL-DSH-01&SESSIONID=5055L7FFADFF3 HTTP/1.1" 200 1318 "http://buttercup-shopping.com/cart.do?action=purchase&item_id=EST-66product_id=EST-66"
ows NT 5.1: SV: - [07/Jan 18:10:56:156] "GET /oldlink?item_id=EST-26&SESSIONID=5055L9FFADFF3 HTTP/1.1" 468 125.17 14 -- "http://buttercup-shopping.com/cart.do?action=changequantity&item_id=EST-16&product_id=AV-EB-01&SESSIONID=5055L7FFADFF3 HTTP/1.1" 200 1318 "http://buttercup-shopping.com/cart.do?action=changequantity&item_id=EST-16&product_id=AV-EB-01"
:/buttercup-shopping_id=RP-LI-02" 468 125.17 14 -- "http://buttercup-shopping.com/cart.do?action=changequantity&item_id=EST-16&product_id=AV-EB-01"
action=purchase&item_id=EST-26&SESSIONID=5055L9FFADFF3 HTTP/1.1" 468 125.17 14 -- "http://buttercup-shopping.com/cart.do?action=changequantity&item_id=EST-16&product_id=AV-EB-01"
/buttercup-ca-
```



# Thank You

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